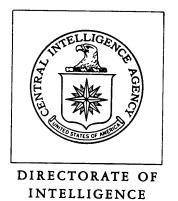
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General Purpose Weapons Industrial Facilities

Basic Imagery Interpretation Report

Shen-yang Aircraft Engine Plant 410 Shen-yang, China

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ABSTRACT

Since World War II Shen-yang Aircraft Engine Plant 410 has more than doubled in floor space and is now the largest and most modern of Communist China's aircraft engine plants. It has more varied test facilities than any other aircraft engine plant in China and probably has a capability for testing engines under altitude simulation conditions.

The plant facilities are contained in two separate walled areas and presently include more than four million square feet of floor space. The western area, which was formerly an arsenal, was converted between 1944 and 1956 and contains the majority of engine testing facilities and larger fabrication buildings of the plant.

NOTE: This report has been published as an interim Basic Imagery Interpretation Report with the concurrence of the Defense Intelligence Agency.

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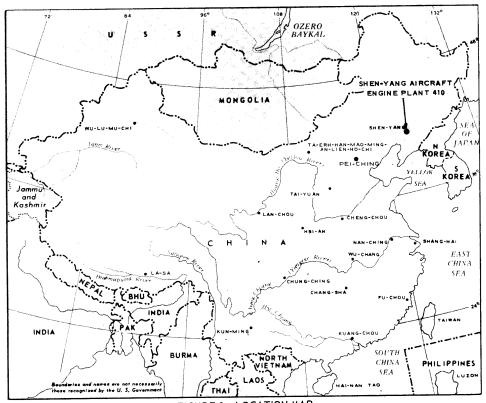


FIGURE 1. LOCATION MAP
INTRODUCTION

Shen-yang Aircraft Engine Plant 410 is located in Liaoning Province, China, on the southeast edge of Shen-yang. The plant is served by road and by a rail spur from the Hun-ho/Fu-shun-cheng rail line. Although it is adjacent to Shen-yang/Tung-ta Airfield and could be air served, there is no apparent functional connection between the two facilities.

BASIC DESCRIPTION

On the first photographic coverage of Shen-yang Aircraft Engine Plant 410 in December 1944, the plant encompassed only the eastern area. By January 1956 the erection of new facilities and the conversion of existing facilities had begun in the western area. Between then and August 1962 the westernmost boundary of the plant was established and the conversion was essentially completed. No major facilities have been constructed since 1962.

No aircraft engine crates have been observed at this facility, and the type of engines being produced cannot be determined from photography. It is possible, however, that the plant produces engines for the MIG-19 aircraft presently in production at Shen-yang Airframe Plant 112, which is located about 5.4 nautical miles to the northwest.

Plant 410 is the largest of Communist China's aircraft engine plants and has three separate engine test areas. One (Item 12) is a sea level condition facility for the testing of jet engines and is similar to those found at all of Communist China's aircraft engine plants. The second (Item 71) is a former U-type facility which has been converted to a horizontal test facility for small rocket engines. The third area (Item 5) contains three test facility probably configured for the testing of engines or components under altitude conditions. For the chronological development of the plant from December 1944 through June 1967, plus a detailed functional and dimensional analysis of facilities, see Figure 3 and its accompanying table.

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FIGURE 2. SHEN-YANG AIRCRAFT ENGINE PLANT 410

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FIGURE 3. LINE DRAWING SHEN-YANG AIRCRAFT ENGINE PLANT 410

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Documents	
CIA. PIR 1003/64, The Chinese Communist Aircraft Industry, 1944-1963, April 1964, (SECRET	25X1 25X1
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